

THE INVENTION CLAIMED IS

1. A spin-cleaning system, comprising:

5 a pair of spindle assemblies for attachment to opposite ends of a cylindrically shaped cartridge filter, and providing for a cleaning action by centrifugal force;

10 a three-point gripping mechanism included in each of the pair of spindle assemblies and for providing a self-centering and self-balancing attachment to said filter cartridge;

a foot bearing disposed at one end of one of the pair of spindle assemblies and providing for ground support of the whole and a free-rotating action; and

15 a handle bearing disposed at one end of the other of the pair of spindle assemblies and providing for user hand support of the whole and said free-rotating action.

20 2. The system of claim 1, wherein the pair of spindle assemblies are similar to one another and each comprises:

a set of three gripper arms for grasping a cartridge filter outside a perimeter of one end;

25 a threaded hub attached with pivots to each of the gripper arms and having a thread inside that runs along a shaft coaxial to an axis of rotation; and

30 a cap hub fastened in a swivel to one end of said threaded shaft and attached to the gripper arms by links and for providing a closing and opening grip action by the gripper arms as the threaded hub is run along said threaded shaft.

3. The system of claim 2, further comprising:

a foot attached to a distal end of said threaded shaft for providing a supporting rest during use.

4. The system of claim 2, further comprising:

a handle attached to a distal end of said threaded shaft for providing a hand grip for a user.

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5. A method for cleaning a closed-end cartridge filter, comprising the steps of:

mounting a spindle assembly to one end of a cylindrically shaped cartridge filter, wherein, said spindle assembly is self-centered on said end of said cartridge filter by a three-point grip

attaching a similar spindle assembly to the other end of said cartridge filter such that its axis of rotation is the same as an axis of rotation for the first spindle assembly;

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resting a tip of one spindle assembly on the ground
while;

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holding a tip of the other spindle assembly in a user's hand; and

directing a pressurized stream of air or water at said cartridge filter with the user's other hand such that said stream causes the whole to rotate, and a speed of rotation is brought high enough to fling debris from the filter and thus clean it.